MECHANISMS OF AGEING AND DEVELOPMENT

VOLUME CONTENTS

Volume 47 (1989)

Differences in the influence of diet on hepatic glutathione S-transferase activity and glutathione content between young and old C57 black female mice MC. Carrillo, K. Kitani, S. Kanai, Y. Sato, M. Nokubo, M. Ohta and K. Otsubo (Tokyo, Japan)	1
Effects of age, sex and multiple endocrine neoplasia type-II on silver stained nucleolar organizer regions M.G. Butler and J.R. Lane (Nashville, TN)	17
Effects of serum from human subjects of different ages on migration in vitro of human fibroblasts	25
Effect of aging and acetyl-L-carnitine on energetic and cholinergic metabolism in rat brain regions D. Curti, F. Dagani, M.R. Galmozzi and F. Marzatico (Pavia, Italy)	39
Age-related changes in the function of somatic membrane potassium channels of neurons in the mollusc Lymnaea stagnalis V.V. Frolkis, O.A. Martynenko and A.N. Timchenko (Kiev, USSR)	47
Age-related changes in brush border enzymes under different dietary conditions M. Nakano, H. Tauchi, H. Katoh and H. Kondoh (Aichi-ken and Nagoya, Japan)	55
Age-related changes in serotonin content and its release reaction of rat platelets	65
Age-related changes of catecholamines and their metabolites content in the visual system of the rat	77
Monitors: Key mechanisms and roles in the development and aging of the consciousness and self	85
Age-related changes in the cholinergic components within the central nervous system of CW1 female mice. I. Structural analysis T. Kadar, M. Silbermann, E. Steinhagen-Thiessen and A. Levy (Berlin, E. D. C.)	133
F.R.G.) Fibronectin detection in drainage outflow system of human eyes in ageing and progression of open-angle glaucoma	145

Immunosuppression after injection of Friend virus into C57BL/6 mice of different ages	159
U. Ponnappan, B. Cinader, A.A. Axelrad, H.C. Van der Gaag and S.W. Koh (Toronto, Canada)	
Announcement	173
Hypertrophy in the thymus and restoration of immune functions in mice and	
rats by gonadectomy M. Utsuyama and K. Hiroka wa (Tokyo, Japan)	175
Note on the dispersion of generations among cells in senescing diploid fibro-	
blast populations	187
D.R. Rigney and J.Y. Wei (Boston, MA)	10,
Enzyme histochemistry of glutamate dehydrogenase in ageing rat cerebellar	
cortex	199
L. Felici, E. Bronzetti and F. Amenta (Rome, Italy)	
Enhanced in vitro bone marow cell migration and T-lymphocyte responses in	
aged mice given subcutaneous thymic epithelial cell grafts	207
J.L. Haar, J.K. Taubenberger, L. Doane and N. Kenyon (Richmond VA)	
Age-related alterations in duodenal calcium transport rate in rats	221
A.D. Mooradian and M.K. Song (Los Angeles, CA)	
Red cell oxygen transport in man in relation to gender and age	229
E. Humpeler, S. Vogel, W. Schobersberger and H. Mairbäurl (Innsbruck, Austria)	
Influence of age upon the metabolism of zinc in livers of C57BL/6J mice	241
D.J. Thomas, R.A. Winchurch and W.H. Adler (Omaha, NE and	20-41
Baltimore, MD)	
The removal of UV-induced pyrimidine dimers from DNA of rat skin cells in	
vitro and in vivo in relation to aging	253
E. Mullaart, L. Roza, P.H.M. Lohman and J. Vijg (Rijswijk and	
Leiden, The Netherlands)	
Glucose inhibition of human fibroblast proliferation and response to growth	
factors is prevented by inhibitors of aldose reductase	265
W.L. Sibbitt Jr., R.G. Mills, C.F. Bigler, R.P. Eaton, R.H. Griffey and	
D.L. Vander Jagt (Albuquerque, NM)	
Author Index Volume 47 (1989)	281
Subject Index Volume 47 (1989)	283
Volume Contents Volume 47 (1989)	287

